

Policy: W-04-01

Policy Title: Calibration of Chemical Feeders

Policy Purpose: Set forth guidelines for chemical feeder calibration

Implementation Date: 10/19/2004

Revision Date: N/A

**TOWN OF WESTFIELD
PUBLIC WORKS DEPARTMENT
CALIBRATION OF CHEMICAL FEEDERS**

Often, it is assumed that a chemical feeder delivers at its design rate. However, as equipment ages the feed rate changes. Temperature of the feed chemical and changes in pressure at the feeder discharge also influence feed rate. These changes are difficult, if not impossible, to detect. Some chemicals are added to a measurable residual so that a feeder out of calibration will not necessarily result in mistreatment. Others are not that easily discovered. In many cases, feeder settings are used for daily chemical usage reporting, but should never be used as the sole method of inventory control.

Periodic calibration of feeders is recommended and can alert operating personnel of the need to replace a feeder. As a guideline, all feeders should be recalibrated as necessary per the manufacturer's recommendation, but at least annually.

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